

PRL NY66-M25G15

Polymer Resources Ltd. - Polyamide 66

Units **Action****Legend (Open)****General Information****General**

Material Status	<ul style="list-style-type: none"> Commercial: Active 	
Availability	<ul style="list-style-type: none"> North America 	
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 15% Filler by Weight 	<ul style="list-style-type: none"> Mineral, 25% Filler by Weight
Additive	<ul style="list-style-type: none"> Lubricant 	
Features	<ul style="list-style-type: none"> High Heat Resistance Lubricated 	
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant 	
Forms	<ul style="list-style-type: none"> Pellets 	
Processing Method	<ul style="list-style-type: none"> Injection Molding 	

ASTM & ISO Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	4.0E-3 to 9.0E-3	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield, 0.125 in)	19000	psi	ASTM D638
Tensile Strength (Break, 0.125 in)	19000	psi	ASTM D638
Flexural Modulus (0.125 in)	1.00E+6	psi	ASTM D790
Flexural Strength (0.125 in)	26000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft/lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	490	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	455	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	165 to 185	°F
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Rear Temperature	520 to 540	°F
Middle Temperature	540 to 570	°F
Front Temperature	540 to 580	°F
Processing (Melt) Temp	550 to 580	°F
Mold Temperature	180 to 220	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

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